

Handshake Partnership Program Report - FY 2010 Recipients

1. Name of Corps Project/Lake: Raystown Lake

2. Handshake Project Name: American Chestnut Restoration Orchard

3. What has been accomplished? Please provide photographs; before, during, and after!:
The partnership funds have been used to complete the project as described in the request. Over 2,000 American Chestnut seeds have been planted to support 4 orchards within the American Chestnut breeding system at Raystown Lake. A volunteer station including a storage shed, water well and parking area were established that assist volunteers from the Corps and TACF to more efficiently implement the American Chestnut work.

Equipment including an orchard ladder, mower, sprayers, trimmers, water tank, generator, gloves, tools and safety equipment were purchased for volunteer use and stored on-site for easy access. To fulfill the educational component, an exhibit kiosk was built on site along with exhibit pannels which describe the American Chestnut importance and restoration work. See attached documentation.

| | Total |
|---|-------------------------------------|
| Handshake Program Funding Amount | \$26,000 |
| Local Corps Office Funds (total expended on labor, materials, contracts, etc.)? | \$45120 |
| Partner's Contributions (total value of funds, goods, services, volunteer hours, etc.) | |
| Partners Name | Total Value of Contributions |
| 1 American Chestnut Foundation | \$184,500 |
| 2 | \$ |
| 3 | \$ |
| 4 | \$ |
| 5 | \$ |
| 6 | \$ |

4. Handshake Program Recipient Feedback

Please take this opportunity to provide feedback on all aspects of the Handshake Program and the Challenge Partnership Agreement authority. Your productive comments are important to the ongoing improvement of the program. Make sure to let us know how the Handshake funds have benefited your efforts to initiate and/or strengthen your partnerships.

A. Comments About Handshake Program: The handshake program distribution of funds went very smoothly as did a request to extend into the second year as permitted under the program.

Using the Student Conservation Association Program provided a low cost alternative to contractors, however, bill paying and return of unused funds through the Army Contract at Ft. Detrick was troublesome.

B. Comments About Challenge Partnership Agreement: The use of a cooperative agreement for the orchards provided a long term commitment that the partners appreciated. The partners were more comfortable with the challenge partnership agreement by having the cooperative agreement in place.

C. Recommendations: The program should be continued to support seed funding for new partners. However, established partners who may initiate a new needed project should receive equal consideration.

Handshake Partnership 2010-2012

Raystown Lake American Chestnut Restoration Orchards

In response to the increased need of the American Chestnut Foundation to partner with other agencies for the restoration of the American Chestnut, the Corps at Raystown Lake in 2010, requested and received a Challenge Handshake award of \$26,000. As part of the application process, the Corps entered into a cooperative agreement with the Pennsylvania Chapter of the American Chestnut Foundation on 17 September 2009 to cooperatively manage four orchards at Raystown Lake as part of the TACF breeding program. The agreement also supports the National MOU signed between the Corps and the Chestnut Foundation in December of 2009.

The award of Handshake Partnership project was to enhance and maintain the existing orchard by assisting in the first year establishment of additional trees; providing a water well to meet needs for watering and herbicide spraying; and provide tools and storage shed to used by volunteers which will allow for a sustainable and efficient volunteer force. Additionally, educational exhibits and materials will assist in furthering awareness of the importance of the American chestnut and restoration efforts.

Key Accomplishments of the Project:

- Creation of a “one-stop-shop” for volunteer materials and equipment to manage orchards.
- Planting of over 2,000 advance American chestnuts trees.
- Establishment of one of the first progeny test sites for potentially blight resistant American chestnut.
- Harvest of over 18,000 chestnut seeds.
- Efficient use of Student Conservation Program.
- Establishment of an Educational Kiosk.



Photos Above: Corps staff and volunteers planting chestnuts (top) and results of planted orchard (bottom).

Project Value:

- Handshake Funds \$26,000
- Local Corps Effort \$ 45,120
- TACF materials and in-kind Services including seed and 891 Volunteer Hours \$ 184,500
- Total Project Value = \$ 229,646



Photos Above: Emerging potentially blight resistant chestnut seedling planted by seed.



Photos Above: Typically American Chestnut Harvest at Raystown Lake breeding orchards.

| Volunteer and Matching Services Tracking for American Chestnut Handshake Project | | | | | |
|--|-----------------------------|------------------|-------------|--------------|----------|
| | | | | | |
| Volunteers Hours | | | | | |
| | | | | | |
| Volunteer | Hours | Unit Value | Total Value | | |
| Rick Enriken | 80 | 20.25 | \$1,620.00 | | |
| Sheldon Hoover | 65 | 20.25 | \$1,316.25 | | |
| Sean Smith | 140 | 20.25 | \$2,835.00 | | |
| Deb Ridgeway | 40 | 20.25 | \$810.00 | | |
| Pennsylvania Conservation Corps | 300 | 20.25 | \$6,075.00 | | |
| Gerry Huggler | 16 | 20.25 | \$324.00 | | |
| Lori Krause | 16 | 20.25 | \$324.00 | | |
| Joe Basil (outside of SCA) | 24 | 20.25 | \$486.00 | | |
| Jordan Weller (outside of SCA) | 45 | 20.25 | \$911.25 | | |
| Juniata College Student Class (shucking chestnuts) | 165 | 20.25 | \$3,341.25 | | |
| Total | 891 | | \$18,042.75 | | |
| | | | | | |
| TACF Staff | Hours | Approx. Value | | | |
| Bryan Burhans, CEO | 8 | 20.25 | \$162.00 | | |
| Sara Fritzimons, Science Coordinator | 36 | 20.25 | \$729.00 | | |
| Sue Oram, State Administrator. | 24 | 20.25 | \$486.00 | | |
| Alex Day, President PATACF | 40 | 20.25 | \$810.00 | | |
| | 108 | | \$2,187.00 | | |
| | | | | | |
| Travel for TACF | Miles Travel (roundtrip) | No. of Trips | Total Miles | unit Rate | total |
| Bryan Burhans, CEO | 450 | 1 | 450 | 0.5 | \$225.00 |
| Sara Fritzimons, Science Coordinator | 70 | 3 | 210 | 0.5 | \$105.00 |
| Sue Oram, State Administrator. | 70 | 2 | 140 | 0.5 | \$70.00 |
| Alex Day, President PATACF | 70 | 3 | 210 | 0.5 | \$105.00 |
| | | | | | \$505.00 |
| | | | | | |
| Seed Donation | Seed Type | Number | Unit Value | Cost | |
| Date | | | | | |
| 4/1/2010 | B1 CMS seed for orchard 1 | 400 | \$5.00 | \$2,000.00 | |
| 3/15/2011 | B3F3 for seed orchard | 70 | \$150.00 | \$10,500.00 | |
| 3/15/2011 | B3F3 for silvicultural test | 500 | \$150.00 | \$75,000.00 | |
| 3/15/2011 | B3F2 for breeding orchard 2 | 200 | \$10.00 | \$2,000.00 | |
| 3/1/2012 | B3F3 for seed orchard | 120 | \$150.00 | \$18,000.00 | |
| 3/1/2012 | B3F3 for progeny test | 500 | \$150.00 | \$75,000.00 | |
| 3/1/2012 | B3F2 for breeding orchard 2 | 200 | \$10 | \$2,000.00 | |
| | | | | \$184,500.00 | |
| | | | | | |
| Total In-kind Services and Supplies from TACF | | \$205,234.75 | | | |
| | | | | | |
| Corps of Engineers Local Contributions to Chestnut Handshake | | | | | |
| | | | | | |
| Corps Staff | Hours | Approx. Value/hr | | | |
| Wildlife Biologist | 80 | \$85.00 | \$6,800.00 | | |
| Forester | 47 | \$52.00 | \$2,444.00 | | |
| Administration Assistance | 24 | \$34.00 | \$816.00 | | |
| Maintenance Worker | 45 | \$40.00 | \$1,800.00 | | |
| | 196 | | \$11,860.00 | | |
| | | | | | |
| <u>Additional Corps Work</u> | | | | | |
| | | | | | |
| Construction of Deer Fence | | | \$6,400 | | |
| Use of Outgrant services in lieu of rent (2011 and 2012) | | | \$15,000 | | |
| | | | | | |
| | | | \$45,120.00 | | |

**Corps of Engineers CEFEMS transactions for Handshake - Raystown
Chestnut Orchards.**

W81XWH-07-2-0088 0001 0116 ACRN AA STUDENT COSERVATION INTREN Joe Basil 4,424.00 FEE 133.18
W81W3G01751232 1 NA A2080- HANDSHAKE PROG USAMRAA FEE 2 % FOR PROCESSING SCA INTE 90.94
W81XWH-07-2-0088 0001 0143 SCA INTERN JORDAN WELLER FOR USACE RAYSTOWN LAKE 3,195
W81W3G11375674 1 NA USAMRAA FEE FOR SCA INTERN JORDAN WELLER AT RAYSTOWN LAKE. -- 68.37
W81W3G02023051 1 NA A2080-HQ CHALLENGE PARTNERSHIP HANDSHAKE PURCHASE OF ALUMINUM 341.66
W81W3G02023070 1 NA A2080-HQ MIPR-CHALLENGE PARTNERSHIP PURCHASE OF STORAGE SHED 2,436.00
W81W3G02083557 1 NA WATER SUPPLY WELL FOR CHESTNUT ORCHARD AT RAYSTOWN --- Projec 2,500.00
W81W3G02164221 1 NA WEED TRIMER FOR PARTNERSHIP HANDSHAKE CHESTNUT ORCHARD --- Pr 179.96
W81W3G02164222 1 NA PULL BEHIND SPRAYER, WATER TANK AND DUMP CART FOR HANDSHAKE P 639.97
W81W3G02164223 1 NA YARD MOWER FOR CHALLENGE PARTNERSHIP HANDSHAKE CHESTNUT ORCHA 1,759.96
W81W3G02608142 1 NA GENERATOR PUMP FOR CHESTNUT ORCHARD UNDER THE CHALLE 460.00
W81W3G02638326 1 NA SUPPLIES FOR CHESTNUT ORCHARD - HANDSHAKE GRANT - GLOVES, GAL 90.23
W81W3G12100550 1 NA SUPPLIES FOR CHESTNUT ORCHARD - HANDSHAKE FUNDS --- Project N 734.70
W81W3G12100553 1 NA MATERIALS FOR CHESTNUT EXHIBITS--- Project No.: 122148 2,306.17
W81W3G12504066 1 NA CONSTRUCT KIOSK FOR CHESTNUT ORCHARD HANDSHAKE PROJECT --- Pr 1,893.61
W81W3G12504070 1 NA CHECKFEE FOR %12504066 --- Project No.: 122148 32.19
W81W3G12554470 1 NA CHESTNUT ORCHARD HANDSHAKE SUPPLIES PROJECT NO.: 122148 320.00
W81W3G12554472 1 C2 EXHIBIT & POSTER PRINTING FOR CHESTNUT 990.00
W81W3G13088313 SAXTON SURPLUS MOWER SUPPLIES/SERVICE \$173.29
W81W3G13489898 1 NA WOODCHUCK CONTROL \$630.00
W81W3G13349298 1 NA RESTORATION SEED SUPPLIES \$1,000
W81W3G12554496 1 NA CHESTNUT LEARNING BOX \$ 600
W81W3G13489881 -1 NA LANEY'S FEED MILL CHESTNUT SUPPLIES - INSECTICIDE/TRIMMER \$499.62
W81W3G13489869 - WALMART CHESTNUT ORCHARD BAGS, SHOVEL, TOOL HANGER, MULCH, \$499.09

Current total \$ 25864.71